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Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=3; day=3; hr=9; min=6; sec=23; ms=273;]

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Application No: 10585695 Version No: 1.0

Input Set:

Output Set:

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Finished: 2009-02-11 21:51:20.685
Elapsed: 0 hr(s) 1 min(s) 45 sec(s) 221 ms
Total Warnings: 20304
Total Errors: 0
No. of SeqIDs Defined: 20318
Actual SeqID Count: 20318

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Total Warnings: 20304
Total Errors: 0
No. of SeqIDs Defined: 20318
Actual SeqID Count: 20318

Error code

Error Description

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SEQUENCE LISTING

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Diamant, Sophie

<120> COMPOUNDS, PHARMACEUTICAL COMPOSITIONS AND THERAPEUTIC METHODS OF
PREVENTING AND TREATING DISEASES AND DISORDERS ASSOCIATED WITH
AMYLOID FIBRIL FORMATION

<130> 28870

<140> 10585695

<141> 2009-02-11

<160> 20318

<170> PatentIn version 3.3

<210> 1

<211> 41

<212> PRT

<213> Artificial sequence

<220>

<223> BSP41 Synthetic peptide

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Trp	Asn	Asn	Tyr	Met	Met	Asp	Trp	Lys	Asn	Gln	Phe	Asn	Asp	Tyr	Thr
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Ser	Lys	Lys	Glu	Ser	Cys	Val	Gly	Leu
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<210> 2

<211> 602

<212> PRT

<213> Homo sapiens

<400> 2

Met	His	Ser	Lys	Val	Thr	Ile	Ile	Cys	Ile	Arg	Phe	Leu	Phe	Trp	Phe
1				5					10					15	

Leu	Leu	Leu	Cys	Met	Leu	Ile	Gly	Lys	Ser	His	Thr	Glu	Asp	Asp	Ile
			20					25					30		

Ile	Ile	Ala	Thr	Lys	Asn	Gly	Lys	Val	Arg	Gly	Met	Asn	Leu	Thr	Val
			35					40					45		

Phe Gly Gly Thr Val Thr Ala Phe Leu Gly Ile Pro Tyr Ala Gln Pro
50 55 60

Pro Leu Gly Arg Leu Arg Phe Lys Lys Pro Gln Ser Leu Thr Lys Trp
65 70 75 80

Ser Asp Ile Trp Asn Ala Thr Lys Tyr Ala Asn Ser Cys Cys Gln Asn
85 90 95

Ile Asp Gln Ser Phe Pro Gly Phe His Gly Ser Glu Met Trp Asn Pro
100 105 110

Asn Thr Asp Leu Ser Glu Asp Cys Leu Tyr Leu Asn Val Trp Ile Pro
115 120 125

Ala Pro Lys Pro Lys Asn Ala Thr Val Leu Ile Trp Ile Tyr Gly Gly
130 135 140

Gly Phe Gln Thr Gly Thr Ser Ser Leu His Val Tyr Asp Gly Lys Phe
145 150 155 160

Leu Ala Arg Val Glu Arg Val Ile Val Val Ser Met Asn Tyr Arg Val
165 170 175

Gly Ala Leu Gly Phe Leu Ala Leu Pro Gly Asn Pro Glu Ala Pro Gly
180 185 190

Asn Met Gly Leu Phe Asp Gln Gln Leu Ala Leu Gln Trp Val Gln Lys
195 200 205

Asn Ile Ala Ala Phe Gly Gly Asn Pro Lys Ser Val Thr Leu Phe Gly
210 215 220

Glu Ser Ala Gly Ala Ala Ser Val Ser Leu His Leu Leu Ser Pro Gly
225 230 235 240

Ser His Ser Leu Phe Thr Arg Ala Ile Leu Gln Ser Gly Ser Phe Asn
245 250 255

Ala Pro Trp Ala Val Thr Ser Leu Tyr Glu Ala Arg Asn Arg Thr Leu
260 265 270

Asn	Leu	Ala	Lys	Leu	Thr	Gly	Cys	Ser	Arg	Glu	Asn	Glu	Thr	Glu	Ile	275	280	285	
Ile	Lys	Cys	Leu	Arg	Asn	Lys	Asp	Pro	Gln	Glu	Ile	Leu	Leu	Asn	Glu	290	295	300	
Ala	Phe	Val	Val	Pro	Tyr	Gly	Thr	Pro	Leu	Ser	Val	Asn	Phe	Gly	Pro	305	310	315	320
Thr	Val	Asp	Gly	Asp	Phe	Leu	Thr	Asp	Met	Pro	Asp	Ile	Leu	Leu	Glu	325	330	335	
Leu	Gly	Gln	Phe	Lys	Lys	Thr	Gln	Ile	Leu	Val	Gly	Val	Asn	Lys	Asp	340	345	350	
Glu	Gly	Thr	Ala	Phe	Leu	Val	Tyr	Gly	Ala	Pro	Gly	Phe	Ser	Lys	Asp	355	360	365	
Asn	Asn	Ser	Ile	Ile	Thr	Arg	Lys	Glu	Phe	Gln	Glu	Gly	Leu	Lys	Ile	370	375	380	
Phe	Phe	Pro	Gly	Val	Ser	Glu	Phe	Gly	Lys	Glu	Ser	Ile	Leu	Phe	His	385	390	395	400
Tyr	Thr	Asp	Trp	Val	Asp	Asp	Gln	Arg	Pro	Glu	Asn	Tyr	Arg	Glu	Ala	405	410	415	
Leu	Gly	Asp	Val	Val	Gly	Asp	Tyr	Asn	Phe	Ile	Cys	Pro	Ala	Leu	Glu	420	425	430	
Phe	Thr	Lys	Lys	Phe	Ser	Glu	Trp	Gly	Asn	Asn	Ala	Phe	Phe	Tyr	Tyr	435	440	445	
Phe	Glu	His	Arg	Ser	Ser	Lys	Leu	Pro	Trp	Pro	Glu	Trp	Met	Gly	Val	450	455	460	
Met	His	Gly	Tyr	Glu	Ile	Glu	Phe	Val	Phe	Gly	Leu	Pro	Leu	Glu	Arg	465	470	475	480
Arg	Asp	Asn	Tyr	Thr	Lys	Ala	Glu	Glu	Ile	Leu	Ser	Arg	Ser	Ile	Val	485	490	495	

Lys Arg Trp Ala Asn Phe Ala Lys Tyr Gly Asn Pro Asn Glu Thr Gln
500 505 510

Asn Asn Ser Thr Ser Trp Pro Val Phe Lys Ser Thr Glu Gln Lys Tyr
515 520 525

Leu Thr Leu Asn Thr Glu Ser Thr Arg Ile Met Thr Lys Leu Arg Ala
530 535 540

Gln Gln Cys Arg Phe Trp Thr Ser Phe Phe Pro Lys Val Leu Glu Met
545 550 555 560

Thr Gly Asn Ile Asp Glu Ala Glu Trp Glu Trp Lys Ala Gly Phe His
565 570 575

Arg Trp Asn Asn Tyr Met Met Asp Trp Lys Asn Gln Phe Asn Asp Tyr
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Thr Ser Lys Lys Glu Ser Cys Val Gly Leu
595 600

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<212> PRT

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<223> ASP23 Synthetic peptide

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Tyr Met Val His Trp Lys Asn Gln Phe Asp His Tyr Ser Lys Gln Asp
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Arg Cys Ser Asp Leu
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<211> 40

<212> PRT

<213> Artificial sequence

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<223> ASP40 Synthetic peptide

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Trp Ser Ser Tyr Met Val His Trp Lys Asn Gln Phe Asp His Tyr Ser
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Lys Gln Asp Arg Cys Ser Asp Leu
35 40

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<211> 63

<212> PRT

<213> Artificial sequence

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<223> ASP63 Synthetic peptide

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Asn Arg Phe Leu Pro Lys Leu Leu Ser Ala Thr Asp Thr Leu Asp Glu
20 25 30

Ala Glu Arg Gln Trp Lys Ala Glu Phe His Arg Trp Ser Ser Tyr Met
35 40 45

Val His Trp Lys Asn Gln Phe Asp His Tyr Ser Lys Gln Asp Arg
50 55 60

<210> 6

<211> 614

<212> PRT

<213> Homo sapiens

<400> 6

Met Arg Pro Pro Gln Cys Leu Leu His Thr Pro Ser Leu Ala Ser Pro
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Leu Leu Leu Leu Leu Leu Trp Leu Leu Gly Gly Gly Val Gly Ala Glu

20

25

30

Gly Arg Glu Asp Ala Glu Leu Leu Val Thr Val Arg Gly Gly Arg Leu
 35 40 45

Arg Gly Ile Arg Leu Lys Thr Pro Gly Gly Pro Val Ser Ala Phe Leu
 50 55 60

Gly Ile Pro Phe Ala Glu Pro Pro Met Gly Pro Arg Arg Phe Leu Pro
 65 70 75 80

Pro Glu Pro Lys Gln Pro Trp Ser Gly Val Val Asp Ala Thr Thr Phe
 85 90 95

Gln Ser Val Cys Tyr Gln Tyr Val Asp Thr Leu Tyr Pro Gly Phe Glu
 100 105 110

Gly Thr Glu Met Trp Asn Pro Asn Arg Glu Leu Ser Glu Asp Cys Leu
 115 120 125

Tyr Leu Asn Val Trp Thr Pro Tyr Pro Arg Pro Thr Ser Pro Thr Pro
 130 135 140

Val Leu Val Trp Ile Tyr Gly Gly Gly Phe Tyr Ser Gly Ala Ser Ser
 145 150 155 160

Leu Asp Val Tyr Asp Gly Arg Phe Leu Val Gln Ala Glu Arg Thr Val
 165 170 175

Leu Val Ser Met Asn Tyr Arg Val Gly Ala Phe Gly Phe Leu Ala Leu
 180 185 190

Pro Gly Ser Arg Glu Ala Pro Gly Asn Val Gly Leu Leu Asp Gln Arg
 195 200 205

Leu Ala Leu Gln Trp Val Gln Glu Asn Val Ala Ala Phe Gly Gly Asp
 210 215 220

Pro Thr Ser Val Thr Leu Phe Gly Glu Ser Ala Gly Ala Ala Ser Val
 225 230 235 240

Gly Met His Leu Leu Ser Pro Pro Ser Arg Gly Leu Phe His Arg Ala
 245 250 255

Val Leu Gln Ser Gly Ala Pro Asn Gly Pro Trp Ala Thr Val Gly Met
260 265 270

Gly Glu Ala Arg Arg Arg Ala Thr Gln Leu Ala His Leu Val Gly Cys
275 280 285

Pro Pro Gly Gly Thr Gly Gly Asn Asp Thr Glu Leu Val Ala Cys Leu
290 295 300

Arg Thr Arg Pro Ala Gln Val Leu Val Asn His Glu Trp His Val Leu
305 310 315 320

Pro Gln Glu Ser Val Phe Arg Phe Ser Phe Val Pro Val Val Asp Gly
325 330 335

Asp Phe Leu Ser Asp Thr Pro Glu Ala Leu Ile Asn Ala Gly Asp Phe
340 345 350

His Gly Leu Gln Val Leu Val Gly Val Val Lys Asp Glu Gly Ser Tyr
355 360 365

Phe Leu Val Tyr Gly Ala Pro Gly Phe Ser Lys Asp Asn Glu Ser Leu
370 375 380

Ile Ser Arg Ala Glu Phe Leu Ala Gly Val Arg Val Gly Val Pro Gln
385 390 395 400

Val Ser Asp Leu Ala Ala Glu Ala Val Val Leu His Tyr Thr Asp Trp
405 410 415

Leu His Pro Glu Asp Pro Ala Arg Leu Arg Glu Ala Leu Ser Asp Val
420 425 430

Val Gly Asp His Asn Val Val Cys Pro Val Ala Gln Leu Ala Gly Arg
435 440 445

Leu Ala Ala Gln Gly Ala Arg Val Tyr Ala Tyr Val Phe Glu His Arg
450 455 460

Ala Ser Thr Leu Ser Trp Pro Leu Trp Met Gly Val Pro His Gly Tyr
465 470 475 480

Glu Ile Glu Phe Ile Phe Gly Ile Pro Leu Asp Pro Ser Arg Asn Tyr
485 490 495

Thr Ala Glu Glu Lys Ile Phe Ala Gln Arg Leu Met Arg Tyr Trp Ala
500 505 510

Asn Phe Ala Arg Thr Gly Asp Pro Asn Glu Pro Arg Asp Pro Lys Ala
515 520 525

Pro Gln Trp Pro Pro Tyr Thr Ala Gly Ala Gln Gln Tyr Val Ser Leu
530 535 540

Asp Leu Arg Pro Leu Glu Val Arg Arg Gly Leu Arg Ala Gln Ala Cys
545 550 555 560

Ala Phe Trp Asn Arg Phe Leu Pro Lys Leu Leu Ser Ala Thr Asp Thr
565 570 575

Leu Asp Glu Ala Glu Arg Gln Trp Lys Ala Glu Phe His Arg Trp Ser
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Ser Tyr Met Val His Trp Lys Asn Gln Phe Asp His Tyr Ser Lys Gln
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Asp Arg Cys Ser Asp Leu
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<213> Homo sapiens

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Ser Lys Val Thr Ile Ile
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